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# CONFIGURING A COMPUPRO INTERFACER I TO EMULATE AN ALTAIR 88-2SIO

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## SWAP THE STATUS REGISTER READY LINE BITS, BOTH PORTS:

- 1) Pull IC27 from its socket, and gently bend pins 7 and 13 so that they do not go into the socket. Put the chip back in the socket that way.
- 2) Pull IC28 from its socket, and gently bend pins 7 and 13 so that they do not go into the socket. Put the chip back in the socket that way.
- 3) Solder a wire from IC28-7 to IC27-7 to IC26-8 (I mean the actual IC pins, not the IC sockets!!)
- 4) Solder a wire from IC28-13 to IC27-13 to IC26-6 (I mean the actual IC pins, not the IC sockets!!)

## DISABLE THE CONTROL PORTS:

- 5) Pull IC 22 from its socket, and gently bend pins 4 and 12 so that they do not go into the socket. Put the chip back in the socket that way.
- 6) On the solder side of the board, solder a wire from IC14-9 to IC14-10
- 7) On the solder side of the board, solder a wire from IC12-9 to IC12-10

## SET THE PORT ADDRESSES:

- 8) Set up S2 (port A address) with all switches closed except switches 4 and 8, which should be open
- 9) Set up S3 (port B address) with all switches closed except switches 1, 4 and 8, which should be open
- 10) Set the baud rate on S1

## SET THE ADDRESS ORDER OF THE CONTROL AND DATA PORTS:

- 11) Cut J14 B-C (There may be a PC board trace here.)
- 12) Jumper J14 A-B

## SET THE UART INITIALIZATION:

- 13) Configure J7 and J8 as follows:
  - 2-15
  - 3-14
  - 6-11
  - 7-10
- 14) Configure J9 and J10 as follows:
  - 2-15
  - 4-13
  - 5-12
  - 7-10

## CONNECT TRANSMIT AND RECEIVE, DISABLE THE HANDSHAKE LINES:

- 15) On J3 and J5: Connect pin 1 to pin 15 and pin 2 to pin 16
- 16) On J3 and J5: Remove the jumpers from pins 3, 4,5
- 17) On J4 and J6: Connect pin 6 to pin 7